

[METHOD OF MOTION DETECTION FOR 3D COMB FILTER VIDEO DECODER]

Abstract

A method of motion detection for a 3D comb filter video decoder is disclosed. In this method, a plurality of sampled data $F_{m \ x,y}^P$ is obtained and temporarily stored after a composite video signal is sampled, wherein $F_{m \ x,y}^P$ represents a sampled data of the y^{th} pixel on the x^{th} line of the m^{th} frame inside the composite video signal, and m , x , y are positive integers greater than or equal to 0. Then, $F_{m+1 \ x,y}^P$, $F_{m \ x,y}^P$, $F_{m-1 \ x,y}^P$, and $F_{m-2 \ x,y}^P$ are used to determine a motion/still status of the composite video signal. Since the present invention performs the motion detection according to the composite video signal whose Y/C has not been separated yet, the present invention can accurately determine the motion level.